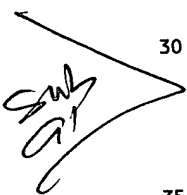SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT: Carl H. June et al.

    (ii) TITLE OF INVENTION: Methods for Modulating Expression of an
                          HIV-1 Fusion Cofactor

    (iii) NUMBER OF SEQUENCES: 7

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: LAHIVE & COCKFIELD, LLP
        (B) STREET: 28 State Street
        (C) CITY: Boston
        (D) STATE: Massachusetts
        (E) COUNTRY: USA
        (F) ZIP: 02109

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER:
        (B) FILING DATE:
        (C) CLASSIFICATION:

    (vii) PRIOR APPLICATION DATA:
        (A) APPLICATION NUMBER: US 60/037,422
        (B) FILING DATE: 21-FEB-1997

    (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Amy E. Mandragouras
        (B) REGISTRATION NUMBER: 36,207
        (C) REFERENCE/DOCKET NUMBER: GIN-005

    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (617)227-7400
        (B) TELEFAX: (617)742-4214

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 7 amino acids
        (B) TYPE: amino acid
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (v) FRAGMENT TYPE: internal

        (ix) FEATURE:
             (A) NAME/KEY: Peptide
             (B) LOCATION: 1
             (D) OTHER INFORMATION: /note= "Xaa is bewteen 0 and 20
                     amino acids"

        (ix) FEATURE:
             (A) NAME/KEY: Peptide
             (B) LOCATION: 7
             (D) OTHER INFORMATION: /note= "Xaa is between 0 and 20
                     amino acids"

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

        Xaa Pro Pro Tyr Tyr Leu Xaa
        1   5

   (2) INFORMATION FOR SEQ ID NO:2:

        (i) SEQUENCE CHARACTERISTICS:
             (A) LENGTH: 39 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

   CATGAAGCTT CTCGAGCCGC CACCATGGCT TGCCTTGGA   39

   (2) INFORMATION FOR SEQ ID NO:3:

        (i) SEQUENCE CHARACTERISTICS:
             (A) LENGTH: 40 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

   GAGAATTCTA GACTAGCTTA AGTCAGAATC TGGGCACGGT   40

   (2) INFORMATION FOR SEQ ID NO:4:

        (i) SEQUENCE CHARACTERISTICS:
             (A) LENGTH: 21 base pairs
             (B) TYPE: nucleic acid

```
                    (C)  STRANDEDNESS: single
                    (D)  TOPOLOGY: linear

             (ii)  MOLECULE TYPE: cDNA
5



             (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:4:

10   GGCTAACTAG GGAACCCACT G
     21

       (2)  INFORMATION FOR SEQ ID NO:5:

15           (i)  SEQUENCE CHARACTERISTICS:
                    (A)  LENGTH: 24 base pairs
                    (B)  TYPE: nucleic acid
                    (C)  STRANDEDNESS: single
                    (D)  TOPOLOGY: linear
20
             (ii)  MOLECULE TYPE: cDNA



25           (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:5:

                                                              24
     CTGCTAGAGA TTTTCCACAC TGAC

       (2)  INFORMATION FOR SEQ ID NO:6:
30
             (i)  SEQUENCE CHARACTERISTICS:
                    (A)  LENGTH: 30 base pairs
                    (B)  TYPE: nucleic acid
                    (C)  STRANDEDNESS: single
35                  (D)  TOPOLOGY: linear

             (ii)  MOLECULE TYPE: cDNA



40
             (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:6:

     CCGTCTGTTG TGTGACTCTG GTAACTAGAG
     30
45
       (2)  INFORMATION FOR SEQ ID NO:7:

             (i)  SEQUENCE CHARACTERISTICS:
                    (A)  LENGTH: 30 base pairs
50                  (B)  TYPE: nucleic acid
                    (C)  STRANDEDNESS: single
                    (D)  TOPOLOGY: linear

             (ii)  MOLECULE TYPE: cDNA
55
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CTTGATAATC CATCTTGTTC CACCCTGTGC   30